SOUTHEASTERN BIOLOGY

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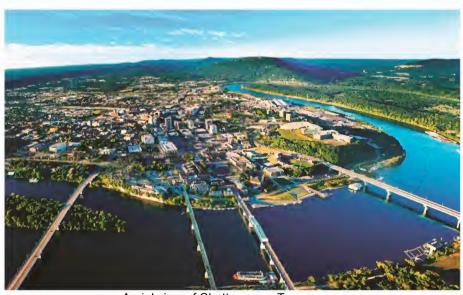
ASB ONLY CALL FOR PAPERS FOR THE 76TH MEETING

University of Tennessee at Chattanooga ASB

APRIL 1-4, 2015

ASB
MEETING SITE: CONVENTION CENTER AT THE MARRIOTT
CHATTANOOGA, TENNESSEE

ASB ABSTRACT SUBMISSION—SEE PAGE 541. ASB



Aerial view of Chattanooga, Tennessee.

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PURPOSE

The purpose of this association shall be to promote the advancement of biology as a science by encouraging research, the imparting of knowledge, the application of knowledge to the solution of biological problems, and the preservation of biological resources. The ASB has representation in Section G Committee of the AAAS. Varying types of membership are available to individuals and institutions. See inside back cover.

TIME AND PLACE OF FUTURE MEETINGS

2015 April 1-4: Hosted by the University of Tennessee at Chattanooga. Meeting site is the Convention Center at the Marriott.

The View from Here 473

THE VIEW FROM HERE

A MESSAGE FROM THE PRESIDENT ZACK MURRELL

I am thrilled to report that our Association is in very good shape. Our meeting in Spartanburg, SC in 2014 was a great success and we are looking forward to a fantastic meeting in Chattanooga, Tennessee April 1-4, 2015.

Chattanooga is nestled along the Tennessee River at the edge of the Cumberland Plateau, surrounded by scenic mountains and opportunities for outdoor adventures. Our meeting will take place at the Chattanooga Marriott and Chattanooga Convention Center, adjacent facilities that are within easy walking distance of many restaurants, shops and museums in the downtown area. Our featured institutions are the University of Tennessee at Chattanooga and the



Tennessee Aquarium. The Thursday night social will be a night to remember, beginning with a barbeque dinner at the Convention Center and then transitioning to an evening of music and festivities at the Tennessee Aquarium. We have two symposia, "Ecology and Evolution of Glade Systems of the Southeast" and "Botany of Extreme Habitats" and several field trips planned for the meeting. Our plenary speaker is Dr. Kenneth C. Catania, a neurobiologist at Vanderbilt University, who will discuss the neurobiology and behavior of some specialized southeastern predators. Given Chattanooga's central location and beautiful spring weather, we expect to have record-breaking attendance and a great meeting.

The Association of Southeastern Biologists is an organization focused on science and science education. Please take the time to encourage your friends, students and colleagues to attend the meeting. The strength of our organization comes from the breadth of interests and expertise we bring to this regional gathering. Encouraging participation from all sub-disciplines of the life sciences will help us maintain our strength as a vibrant regional professional association. I will look forward to seeing you in Chattanooga. cs

EVENTS OF THE 2014 ANNUAL MEETING IN SPARTANBURG, SOUTH CAROLINA

Hosted by

CONVERSE COLLEGE
SPARTANBURG COMMUNITY COLLEGE
SPARTANBURG METHODIST COLLEGE
UNIVERSITY OF SOUTH CAROLINA UPSTATE
WOFFORD COLLEGE
SPARTANBURG, SOUTH CAROLINA

THE JOHN HERR LIFETIME ACHIEVEMENT AWARD
RESEARCH BIOLOGIST HONORED

RAYMOND O. FLAGG

This prestigious award was established by the Association of Southeastern Biologists in 2007 to recognize unusually significant contributions by its members to the life of the association and to biology in the Southeastern US. The award was first presented to its namesake, Distinguished Professor Emeritus John Herr, Department of Biological Sciences, University of South Carolina at Columbia. At the 75th annual meeting of the association in Spartanburg, South Carolina, the award was presented to Dr. Raymond O. Flagg, Research Biologist Emeritus, Carolina Biological Supply Company, 2700 York Road, Burlington, North Carolina by award committee chair Dr. Kenneth Shull. In presenting the award, Dr. Shull made the following remarks:

While it is true that the Meritorious Teaching Award is the highest honor that ASB can give, there is one rare award that deserves special attention. In 2007 Dr. John Herr received the first Lifetime Achievement Award that ASB had ever given. In addition, that award was named in honor of Dr. Herr. It was the intent of ASB to give that award rarely and only to the rare person who had shown unusual dedication to ASB, to research and to the education of the students in the Southeast and beyond. Tonight we honor someone with the first John Herr Lifetime Achievement Award since that first award was given.

Service to ASB

This recipient has served the Association in many ways. He served as treasurer for more than one term, he served as president and he has served us in other ways that I will talk about later. He has been the recipient of 11 honors and recognition from academic honors to business honors to civic honors.

Biological Research

Working in an institution that neither required research nor rewarded it, this man has published 27 scholarly papers or invited presentations, has 26

presented papers and abstracts (15 at ASB meetings) to his credit and 27 others that I will mention later.

Service to Education

Although not having taught a full class since 1957, he has contributed more to teaching than almost anyone present here.

If you have ever raised fruit flies, or to put them to sleep;

if you have ever grown algae;

if you have ever used a vital stain to look at aquatic invertebrates;

if you have ever looked at slowed planarians or annelids;

if you have ever used instant microbiological medium;

if you have ever grown ferns or mosses from prepared material,

then you have probably used one of this man's inventions.

If you have ever gotten a teaching idea from Carolina Tips, then you have probably used some of his ideas since he wrote the 27 articles that I mentioned earlier.

Special Contribution to ASB

In a very tangible contribution to ASB, he led Carolina Biological Supply Co. to sponsor the Meritorious Teaching Award.

By now you surely know that the 2014 recipient of the John Herr Lifetime Achievement Award is Dr. Ray Flagg of Carolina Biological Supply Co.



Raymond O. Flagg (left) receives The John Herr Lifetime Achievement Award from award committee chair Kenneth Shull.

ASB MERITORIOUS TEACHING AWARD

The award committee chair, Jennifer J. Davis, reported that the award committee for the award, sponsored by ASB Patron Member Carolina Biological Supply Company, Burlington, North Carolina, made no award this year.

ASB LUCRECIA HERR OUTSTANDING BIOLOGY TEACHER AWARD

HIGH SCHOOL TEACHER HONORED

KIRSTIN BULLINGTON
W. J. KEENAN HIGH SCHOOL
COLUMBIA, SOUTH CAROLINA

The 2014 Association of Southeastern Biologists Lucrecia Herr Outstanding Biology Teacher Award was presented to Kirstin Bullington of the W. J. Keenan High School, Columbia, South Carolina at the 75th annual meeting of the association in Spartanburg, South Carolina by the award chair W. Michael Dennis. This very prestigious award is sponsored by the ASB Enrichment Fund, and includes a plague and a check for \$750.00.

Biological Sketch for Kirstin Bullington

Kirstin Bullington received her BS in Biology and her BA in Music from the University of Evansville, and her Master's in International Health from Tulane University. She served in the Peace Corps as a health specialist volunteer in Togo, West Africa, where she primarily worked with integrating traditional healers into the HIV/AIDS prevention efforts. It was in this role that she fell in love with teaching, and realized that a greater impact could be made in the science classroom.

Kirstin joined Teach for America in 2003 and taught biology in Newark, New Jersey for two years before moving to Columbia, South Carolina in 2005. She joined the faculty of W.J. Keenan High School where she has taught science and pre-engineering for the past nine years. She currently teaches biology, biotechnical engineering, and engineering design. In addition to her teaching responsibilities, Kirstin mentors the school's FIRST Robotics team and junior FIRST Lego League teams in the community.

Kirstin has received grants from the Toshiba America Foundation and Colonial Life to help incorporate biotechnology into the ninth grade biology curriculum, in order to make their experiences in biology more challenging and personally relevant. In 2013, she was one of twenty teachers selected to participate in the Siemens Teachers as Researchers fellowship at Oak Ridge National Laboratory, and received the South Carolina Outstanding Biology Teacher Award from the NABT.



Kirstin Bullington (left) receives the ASB Lucrecia Herr Outstanding Biology
Teacher Award from award chair W. Michael Dennis.

2014 RESEARCH AWARD RECIPIENTS

ASB SENIOR RESEARCH AWARD

The ASB Senior Research Award sponsored by ASB Patron Member Marilyn Pendley, Hudson, North Carolina, was presented by award committee chair Michael E. Dorcas to **Ashley B. Morris**, Department of Biology, Middle Tennessee State University, Murfreesboro, Tennessee, for her manuscript coauthored with Nicole K. Millsaps, Kelsi Q. Mason, Jacquelyn S. Howell, Department of Biology, University of South Alabama, Mobile, Alabama, and James H. Speer, Department of Earth and Environmental Systems, Indiana State University, Terre Haute, Indiana, entitled "Mature beech trees (*Fagus grandifolia*; Fagaceae) are persistently clonal in coves and beech gaps in the Great Smoky Mountains." The manuscript has been published in the *American Journal of Botany* 101(2):1-8, 2014. Her paper presentation at the annual meeting with the same coauthors is entitled "The beech gaps revisited: Determining reproductive

strategy using nuclear microsatellite loci," SE Biology Abstract 75, 60/3, pages 198 and 199.

Dr. Dorcas submitted the following biography to the Journal Editor.

Ashley B. Morris – Biography Applicant for the 2014 ASB Senior Research Award

Ashley B. Morris is currently an Assistant Professor in the Department of Biology at Middle Tennessee State University (MTSU) in Murfreesboro. Her research interests include population genetics, phylogeography, and molecular systematics of forested communities, Ashley has three M.S. students in Biology and one Ph.D. student in the Program for Molecular Biosciences. Their projects include comparative plastomics of *Illicium* (Illiciaceae), phylogeography of Fagus grandifolia (Fagaceae), conservation genetics of Astragalus bibullatus (Fabaceae), and systematics of Hamamelis (Hamamelidaceae). As the lab PI, Ashley currently has funding from US Fish and Wildlife to support marker development for two federally endangered plant species (A. bibullatus and Dalea foliosa). Prior to joining MTSU in 2011, Ashley was an Assistant Professor in Biology at the University of South Alabama in Mobile for almost five years. She received her Ph.D. in 2006 from the Department of Botany at the University of Florida in Gainesville, where she worked with Pam and Doug Soltis on phylogeography of eastern North American trees (F. grandifolia and Liquidambar styraciflua) and on molecular systematics of the basal angiosperm Illicium. She received her M.S. in 2000 from the Department of Botany at the University of Tennessee in Knoxville, where she worked with Mitch Cruzan on population genetics of the high elevation beech gaps of the Great Smoky Mountains and on seed bank genetics of the cedar glade endemic legume, A. bibullatus. Ashley received her B.S. in 1997 from the University of the South-Sewanee, where she worked with Jon Evans on the reproductive and clonal ecology of Hydrocotyle bonariensis. Ashley has served as a reviewer for several peer-reviewed journals. including the American Journal of Botany, Botanical Journal of the Linnean Society, Conservation Biology, Conservation Genetics, Evolution, Genetica, Journal of Biogeography, Journal of Tropical Forest Science, Molecular Ecology, Molecular Phylogenetics and Evolution, and Systematic Botany. She is a member of the Editorial Board for the newest ASB journal Eastern Biologist. In 2011, she was elected to a 3-year term as an ASB Executive Committee Member-at-large, and she was appointed to the position of Web Editor, which she still holds. That same year, she was awarded the ASB Senior Research Award and the North Carolina Botanical Garden Award. Ashley was a Master's student at UTK when she attended her first ASB meeting in Wilmington, North Carolina, in April 1999.

Paper Abstract as Published in SEB 60(3), July 2013. Ashley B. Morris¹, Nicole Millsaps¹, Kelsi Mason¹, Jacquelyn S. Howell², James H. Speer³. The beech gaps revisited: Determining reproductive strategy using nuclear microsatellite loci

¹Department of Biology, Middle Tennessee State University, Murfreesboro, TN; ²Department of Biology, University of South Alabama, Mobile, AL; ³Department of Earth and Environmental Systems, Indiana State University, Terre Haute, IN.

In the Southern Appalachians, American beech (Fagus grandifolia) is the dominant component of a unique forest community known as "beech gaps". These communities typically occur above 4500-5000 ft in elevation, and they are most distinctive where they occur as deciduous islands within a matrix of sprucefir forests. Beech gaps are nearly monotypic, although associates may include buckeye, sugar maple, and yellow birch. These unique pocket communities have been hypothesized to be a consequence of clonal maintenance, although few studies have directly addressed this issue. Here we test the hypothesis that highelevation beech gaps are more dependent on clonal reproduction than mid- or low-elevation beech forests in Great Smoky Mountains National Park. We genotyped 108 trees from six stands (two at each elevation) using seven nuclear microsatellite loci. Thirty-eight clones were defined using a two-step mutational threshold, with no genotypes shared across sites. One high-elevation site, Jenkins Knob, was monoclonal. One low-elevation site, Grassy Branch, was entirely sexual. All other sites exhibited a mixed strategy (both asexual and sexual reproduction), with a dependence on clonality. We conclude that elevation alone is not well-correlated with clonality in beech, and alternative hypotheses are discussed, and implications for forest management in the context of beech bark disease are considered.



Ashley B. Morris (right) receives the ASB Senior Research Award from award committee Chair Michael E. Dorcas.

ASB STUDENT RESEARCH AWARD

The ASB Student Research Award, sponsored by ASB Patron Member Martin Microscope Company, Easley, South Carolina, was presented by award committee member John Quinn to **Justin C. Strickland**, Department of Biology, Davidson College, Davidson, North Carolina, for his paper coauthored with Ava Pinheira, Kristin, K. Cecala, Department of Biology, Sewanee: University of the South, Sewanee, Tennessee, and Michael E. Dorcas, entitled "Physiological constraints to respond to climate change: Insights from the effects of temperature on standard metabolic rate in larval salamanders," *SE Biology* Abstract 21, 61/3, page 257.



Justin C. Strickland (right) receives the ASB Student Research Award from award committee member John Quinn.

BROOKS/COLE CENGAGE LEARNING STUDENT RESEARCH AWARD IN AQUATIC BIOLOGY

The Brooks/Cole Cengage Learning Student Research Award in Aquatic Biology sponsored by Fred Hudson, Senior Math and Science Representative for Cengage Learning-Brooks/Cole Publishing Company in the Southeast, was presented by award committee member John Quinn to **Thomas A. Maigret**, Department of Forestry, University of Kentucky, Lexington, Kentucky, for his paper coauthored with John J. Cox, Dylan R. Schneider, Department of Biology, Indiana University of Pennsylvania, Indiana, Pennsylvania, Christopher D. Barton, Steven J. Price, and Jeffrey L. Larkin, Indiana University of Pennsylvania, entitled "Effects of timber harvest within streamside management zones on salamander populations in ephemeral streams of southwestern Kentucky," SE Biology Abstract 119, 61/3, pages 297 and 298.

No photograph was taken.

ASB RESEARCH AWARD IN MICROBIOLOGY

The ASB Research Award in Microbiology sponsored by ASB was presented by award committee chair, Lisa Ann Blankinship to **Andrew J. Jajack**, Department of Biology, Whittenberg University, Springfield, Ohio, for his paper coauthored with Andrew E. Rosselot, Blake W. Nelson, and Jay A. Yoder, entitled "Pathogenic consequences to honeybee colonies from reducing the abundance of beneficial fungi by fungicide spraying," *SE Biology* Abstract 161, 61/3, page 313.

No photograph was taken.

ASB STUDENT POSTER AWARD

The ASB Student Poster Award, sponsored by ASB Patron Member AST Environmental, Decatur, Alabama, was presented by award committee chair Jennifer M. Boyd to **Pratikkumar P. Patel**, Department of Biology, Valdosta State University, Valdosta, Georgia, for his poster coauthored with Christina G. Duckworth, Ericka L. Schumacher, Gretchen K. Bulmyer, and Matthew N. Waters, entitled "Assessment of heavy metal contamination in the biota of four rivers with varying degrees of human impact," *SE Biology* Abstract P56, 61/3, page 359.

No photograph was taken.

THE NORTH CAROLINA BOTANICAL GARDEN AWARD

The North Carolina Botanical Garden Award sponsored by the NCBG, Chapel Hill, North Carolina, was presented by award committee chair, Johnny Randall to **A. Renee Fortner**, Department of Biology, East Carolina University, Greenville, North Carolina, for her paper coauthored with Claudia L. Jolls, and Carol Goodwillie, entitled "Limited seed set and germination cues of the federally

endangered perennial &Nbsp; *Thalictrum cooleyi*, Ahles," *SE Biology* Abstract 181, 61/3, page 321.



A. Renee Fortner (right) receives the North Carolina Botanical Garden Award from award committee chair Johnny Randall.

EUGENE P. ODUM AWARD

The Eugene P. Odumm Award, sponsored by the Southeastern Chapter of the Ecological Society of America, was presented by award committee chair Kimberly J. Bolyard to **Lauren C. McCarthy**, Department of Biology, Center for Biodiversity, East Carolina University, Greenville, North Carolina, for her paper coauthored with David R. Chalcraft, entitled "How do differences in zooplankton hatching phenology and the presence of predators affect population and ecosystem level properties of aquatic food webs?" *SE Biology* Abstract 58, 61/3, page 272.

No photograph was taken.

An Honorable Mention was also awarded by award committee chair Kimberly J. Bolyard to **Z. Carter Berry**, Department of Biology, Wake Forest University, Winston-Salem, North Carolina, for his paper entitled "The importance of fog as a water source in Southern Appalachian cloud forests," *SE Biology* Abstract 108, 61/3/ page 293.

No photograph was taken.

ELSIE QUARTERMAN-CATHERINE KEEVER AWARD

The Elsie Quarterman-Catherine Keever Award sponsored by the Southeastern Chapter of the Ecological Society of America was presented by award committee member Kyle Palmquist to **Charles R. Watt**, Department of Biology, James Madison University, Harrisonburg, Virginia, for his poster coauthored with Carey A. Swanson, Dillon A. Miller, Alaina C. Esposito, and Christine L. May, entitled "Experimentation reveals how brook trout adapt body coloration to match substrate conditions and social hierarchies," *SE Biology* Abstract P55, 61/3, page 358.



Charles R. Watt (left) receives the Elsie Quarterman-Catherine Keever Award from award committee member Kyle Palmquist.

The committee also awarded two Honorable Mentions. The first one went to **Timothy J. Cole**, Department of Biological and Environmental Sciences, Samford University, Birmingham, Alabama, for his poster coauthored with Elizabeth G. Dobbins entitled "Effects of surface runoff from a landfill containing coal ash on water chemistry in adjacent surface water in Perry County, Alabama," *SE Biology* Abstract P115, 61/3, page 382.



Timothy J. Cole (left) receives an Elsie Quarterman-Catherine Keever Honorable Mention from award committee member Kyle Palmquist.

The second Honorable Mention went to **Grayam R. Sailor-Tynes**, Department of Biology, Davidson College, Davidson, North Carolina, for his poster coauthored with Maximilan M. Kern and Michael E. Dorcas entitled "Natural history of eastern box turtles (*Terrapene Carolina Carolina*) in North Carolina: A study based on citizen science," *SE Biology* Abstract P8, 61/3, pages 339 and 340.

No photograph was taken.

BOTANICAL SOCIETY OF AMERICA SOUTHEASTERN SECTION STUDENT AWARDS

The Botanical Society of America Southeastern Section Student Award sponsored by the SE Section of the BSA presented two awards—one for best paper and one for best poster. Both awards were presented by award committee chair Emily L. Gillespie.

 Paper Presentation – Titian Ghandforoush, Department of Biology, Wake Forest University, Winston-Salem, North Carolina, for her paper

coauthored with Kathleen A. Kron, entitled "Phylogenetic reconstruction of relationships in the paleotropical Vaccinieae (Ericaceae) based on DNA sequence data," *SE Biology* Abstract 38, 61/3, pages 264 and 265. No photograph was taken.

 Poster Presentation – Kristin Emery, Department of Biology, The University of North Carolina, Asheville, North Carolina, for her poster coauthored with Jennifer Rhode Ward and H. David Clarke, entitled "Effects of open pollination, selfing, inbreeding, and outbreeding treatments on seed set and viability in Spiraea virginiana Britton (Virginia spiraea), an endangered rose," SE Biology Abstract P79, 61/3, page 368



Kristin Emery (right) receives the BSA Southeastern Section Student Award for best poster from award committee chair Emily L. Gillespie.

THE UNIVERSITY OF SOUTHCAROLINA HERBARIUM AWARD

No award was made this year.

ASB GRADUATE STUDENT TRAVEL AWARDS

The following eight graduate students received travel awards from ASB to attend the annual meeting in Spartanburg, South Carolina. Selections were made by the ASB Graduate Student Support Awards Committee members Lisa Kelly

(chair), Jennifer Borgo, and Claudia Jolls. These awards are sponsored by the ASB Silent Auction.

Emily C. Adams – Department of Biological Sciences, Old Dominion University, Norfolk, Virginia. Advisor, Dr. Frank P. Day.

Penny A. Carroll – Department of Biology, Middle Tennessee State University, Murfreesboro, Tennessee. Advisor, Dr. Ashley B. Morris.

Maxwell R. Cox – Department of Forestry, Wildlife and Fisheries, University of Tennessee, Knoxville, Tennessee, Advisor, Dr. Emma V. Willcox.

Daniel P. Ferons – Department of Marine Science, Coastal Carolina University, Conway, South Carolina. Advisor, Dr. Jane L. Guentzel.

Daniel M. McNair – Department of Biological Sciences, The University of Southern Mississippi, Hattiesburg, Mississippi. Advisor, Dr. Mac H. Alford.

R. Austin Prater – Department of Biological and Environmental Sciences, University of Tennessee, Chattanooga, Tennessee. Advisor, Dr. Joey Shaw.

Peter W. Schafran – Department of Biological Sciences, Old Dominion University, Norfolk, Virginia. Advisor, Dr. Lytton John Musselman.

Nathan M. Sedghi – Department of Biological Sciences, Old Dominion University, Norfolk, Virginia. Advisor, Dr. Frank P. Day.



From left to right: Daniel Ferons, Daniel McNair, Austin Prater, Emily Adams, Peter Schafran, Nathan Sedghi, and Maxwell Cox. Not pictured: Penny Carroll.

SOUTHERN APPALACHIAN BOTANICAL SOCIETY AWARDS

Presented at the Annual SABS breakfast meeting on April 4, 2014.

Student Presentation Awards

The Student Presentation Awards were established in 2011 to reward outstanding undergraduate or graduate student botanical presentations at the annual Association of Southeastern Biologists meeting. For 2014, awards were presented for the best student poster presentation and for best oral presentation. The award includes an honorarium of \$500.

Oral Presentation – **Jamie D. Smith** (James Madison University) – The relationship between riparian zone width and floristic quality along streams in Shenandoah County, Virginia. *SE Biology* Abstract 94, 61/3, page 287 (coauthored with Conley K. McMullen).

Poster Presentation – **Jessica M. Bartek** (Valdosta State University) – Digitization of the Valdosta State University Herbarium: Undergraduate student perspectives. *SE Biology* Abstract P113, 61/3, pages 381-382 (coauthored with Amy M. Vardeman and Richard Carter).



Jessica M. Bartek (left) recipient of the best student poster award and Jamie D. Smith (right) recipient of the best student paper award are congratulated at the Friday night awards banquet by Mac Alford (center) chair of the Richard and Minnie Windler Award Committee and member of the Earl Core Student Research Award Committee.

Earl Core Student Research Award

Dr. Earl Core was a major force in the founding of the Southern Appalachian Botanical Club in 1936. The annual Core Student Award was established by the society to provide financial assistance in support of student research projects in plant taxonomy, systematics, and ecology. This year two proposals were funded, each for \$500.

Jessica Allen (Institute of Systematic Botany, The New York Botanical Garden) for her proposal entitled "Assessing the threat of climate change to endemic southern Appalachian lichens: an integrative approach." Her advisor is James Lendemer.

Anna Nicole Long-Aragon (University of Southern Mississippi) for her proposal entitled "Structural evolution of butterfly egg mimicry within the passionflowers (*Passiflora*)." Her advisor is Mac Alford.

Richard and Minnie Windler Award

The Richard and Minnie Windler Award was established in 1990 at the annual meeting of the SABS by Dr. Donald R. Windler of Towson University as a memorial to his parents. Two awards are now presented annually: first to the author or authors of the best systematic botany paper and second for the best ecology or floristic paper, both published in *Castanea* during the previous year.

The 2014 Richard and Minnie Windler Award winners for the best systematics botany paper published in *Castanea* during 2013 were

Systematics – Lisa E. Wallace and Christopher H. Doffitt. "Genetic structure of the mesic forest-adapted herbs *Trillium cuneatum* and *Trillium stamineum* (Melanthiaceae) in the south-central United States." *Castanea* 78(2):154-162.

Floristics – Donald G. Ruch, Byron G. Torke, Kemuel S. Badger, John E. Taylor Benjamin R. Hess, and Paul E. Rothrock "The vascular flora and vegetational communities of Cabin Creek raised bog, Randolph County, Indiana." *Castanea* 78(4):290-311.

Elizabeth Ann Barthelomew Award

The society annually presents the award in memory of Elizabeth Ann Bartholomew's untiring service to the public, to plant systematics, and to the organization. The award is presented to individuals who have also distinguished themselves in professional and public service that advances our knowledge and appreciation of the world of plants and their scientific, cultural, and aesthetic values, or exceptional service to the society.

Dr. Tom Wentworth, Professor of Biology at North Carolina State University, Raleigh, North Carolina, received the award for his outstanding service in 40 years of teaching, and ecological research. A detailed presentation of his accomplishments can be found in the September 2014 issue of *Castanea*.



Thomas Wentworth (right) recipient of the Elizabeth Ann Bartholomew Award is congratulated at the Friday night awards banquet by Charles N. Horn, chair of the Elizabeth Ann Bartholomew Award Committee and Treasurer of SABS.

SOCIETY OF WETLAND SCIENTISTS SOUTH ATLANTIC CHAPTER STUDENT TRAVEL AWARD

Chapter award chair David E. Bailey reported that the SWS South Atlantic Chapter did not sponsor a travel award to the ASB meeting this year.

BETA BETA BATIONAL BIOLOGICAL HONOR SOCIETY

SOUTHEASTERN REGION

OUTSTANDING PAPER AND POSTER AWARDS FOR 2014

At the 57th Tri-Beta Annual Meeting held with the 75th ASB Annual Meeting, Lee Sutton, Southeastern Region District I Director, and Christi Magrath, Southeastern Region II Director, presented the following awards.

Southeastern District I Paper Session Frank G. Brooks Paper Award Winner Wisteria Room

Jessica Vincent, Psi Rho, University of North Georgia, Dahlonega, Georgia. "Barrier-to-autointegration factor-like (BAF-L) interacts with histones," *SE Biology* Abstract 61/3, page 432. **Mary Draghetti** was 2nd place winner, **Charles Travis Moore** was 3rd place winner, and **Maria V. Otano Vilanova** received Honorable Mention.



SE District I Brooks Paper Award in Wisteria Room. From left to right: Jessica Vincent (holding plaque), 1st place winner; Mary Draghetti, 2nd place; Charles Travis Moore, 3rd place; and Maria V. Otano Vilanova, Honorable Mention. Dr. Lee Sutton, Tri-Beta District I Director, is pictured at the extreme left.

Southeastern District I Paper Session Frank G. Brooks Paper Award Winner Cedar Spring Room

Faith Stokes, Beta Chi Nu, Dalton State College, Dalton, Georgia. "Venom from local snake species: A potential source of antibacterial treatment," *SE Biology* Abstract 61/3, page 428. **Jessica Padgett** was 2nd place winner, **Vivian Whatley** was 3rd place winner, and **Kelsey Worthy** received Honorable Mention.



SE District I Brooks Paper Award in Cedar Spring Room. From left to right: Faith Stokes (holding plaque), 1st place winner; Jessica Padget, 2nd place; Vivian Whatley, 3rd place; and Kelsey Worthy, Honorable Mention.

Southeastern District II Paper Session Frank G. Brooks Paper Award Winner King Mountain Room

Scott W. Whitley, Mu Omicron, Columbus State University, Columbus, Georgia. "DNA barcoding of grasshopper frass to determine diet," *SE Biology* Abstract 61/3, pages 434 and 435. **Jonathan Harrell** was 2nd place winner, **Mai Tran** was 3rd place winner, and **Haley E. Ellison** received Honorable Mention.



SE District II Brooks Paper Award in King Mountain Room. From left to right: Scott W. Whitley (holding plaque), 1st place winner; Jonathan Harrell, 2nd place; Mai Tran, 3rd place; and Haley e. Ellison, Honorable Mention.

Southeastern District I Poster Session John C. Johnson Poster Award Winner Heritage Ballroom

Manisha Sadanani, Beta Omega, Mercer University, Macon, Georgia. "The role of the striatal patch compartment in addictive behaviors," *SE Biology* Abstract 61/3, page 447. **Taylor Spillman** was 2nd place winner, **Brittney Lee** was 3rd place winner. **Charles Fyfe**, **Sidney E. Bedsole**, and **Louis Penrod** received Honorable Mention.



SE District I Johnson Poster Award in Heritage Ballroom. From left to right: Manisha Sadanani (holding plaque), 1st place winner; Taylor Spillman, 2nd place; Brittney Lee, 3rd place. Charles Fyfe, Sidney E. Bedsole, and Louis Penrod, Honorable Mention.

Southeastern District II Poster Session John C. Johnson Poster Award Winner Heritage Ballroom

Elizabeth Lamberth, Mu Omicron, Columbus State University, Columbus, Georgia. "The effect of topamax on the amyloid beta protein of astrocytes," *SE Biology* Abstract 61/3, pages 450 and 451. **Samantha Worthy** was 2nd place winner, and **John Gossen** was 3rd place winner.



SE District II Johnson Poster Award in Heritage Ballroom. From left to right: Elizabeth Lambeth (holding plaque), 1st place winner; Samantha Worthy, 2nd place; and John Gossen, 3rd place.

ASB Executive Committee Members at the Annual Meeting in Spartanburg, South Carolina



Front row (kneeling) from left to right: William Ensign, Joey Shaw, Ashley Morris, Riccardo Fiorillo.

Back row (standing) from left to right: Judy Awong-Taylor, James Caponetti, Donald Roush,
John Herr, Zack Murrell, Sarah Noble, Conley McMullen, Edgar Lickey.

ASB Executive Committee members in a lighter moment.



THE PEMBROKE GROUP AT SPARTANBURG, SOUTH CAROLINA

Pictured are faculty of the Department of Biology, University of North Carolina, Pembroke, who attended the 75th annual meeting of ASB in Spartanburg, South Carolina.



From left to right: Dr. Andrew Ash, Dr. Bonnie Kelley, and Dr. Lisa Kelly.

ASB Executive Committee Meeting Wednesday, April 2, 2014





The ASB Plenary Session Wednesday, April 2, 204

The Plenary Session was held in the auditorium of the Old Main Building at Wofford College. The session was opened by ASB President Dr. Zack Murrell at 7:30 P.M. EDST. The audience was welcomed by Dr. Nayef H. Samhat, President of Wofford College. Dr. Murrell then introduced the plenary speaker Dr. Henry M. Wilbur, BFD Runk Professor of Biology and Professor of Environmental Science, Department of Biology, University of Virginia, Charlottesville, Virginia. The title of his talk was "Switching Sex in an Uncertain Environment."



Dr. Zack Murrell



Dr. Nayef H. Samhat



Dr. Henry M. Wilbur

The Plenary Audience





ASB President Zack Murrell (left) thanks plenary speaker Henry Wilbur for a wonderful presentation.

Wednesday Evening Plenary Welcoming Reception



From left to right: Edgar Lickey, Joey Shaw, and Randall Small.



Andrew Ash (left) and Patricia Parr.

Wednesday Evening Plenary Welcoming Reception



Ashley Morris (left), Judy Awong-Taylor (foreground), Riccardo Fionillo (background), and William Ensign (right).



Johnny Randall (left) and Theo Wetzel.

Wednesday Evening Plenary Welcoming Reception



Patricia Parr (left) and Michael Baranski.



Ellen Goldey (left), William R. Kenan Professor and Department Chair of Biology at Wofford College, and Judy Awong-Taylor.

Exhibitors at the Annual Meeting



Association of Southeastern Biologists James Caponetti—"guarding the fort"



Beta Beta Beta. Donald Roush (center), National President of Tri-Beta.

Exhibitors at the Annual Meeting



The Compleat Naturalist



Exhibitors at the Annual Meeting



Southern Appalachian Botanical Society Charles Horn - Supervising.



Wofford College

Thursday Society of Herbarium Curators Luncheon and Business Meeting





Thursday Society of Herbarium Curators Luncheon and Business Meeting





Thursday Silent Auction Organized by "The ASB Sisters"



Two of "The ASB Sisters," Patricia Parr (left) and Kim Marie Tolson



Setting up.

Thursday Silent Auction



Selecting and Bidding.



Selecting and Bidding.

Thursday ASB Paper Presentations Floristics and Systematics

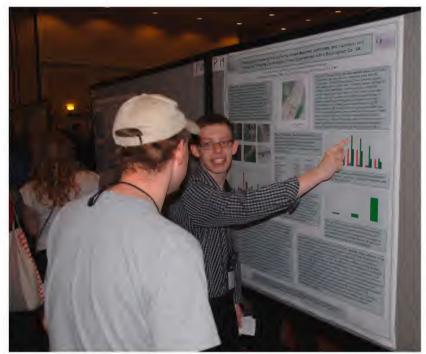


Presenter



Audience

Thursday ASB Poster Session



Brian Schwenk - P19



Allison N. Welborn - P41

ASB Thursday Night Buffet Dinner Back Lawn of Marriott Hotel





ASB Thursday Night After-Dinner Social Back Lawn of Marriott Hotel





ASB Thursday Night After-Dinner Social Back Lawn of Marriott Hotel





Friday SABS/BSA Breakfast





Friday SABS/BSA Breakfast





Membership Secretary Michael Held presents a report.

Friday SABS/BSA Breakfast SABS Officers Present Reports



President Dr Kathy Mathews



Past President Dr. Wendy Zamlefer



Treasurer Dr. Charles Horn



Chair of Windler Award Dr. Mac Alford

Friday SABS/BSA Breakfast



Dr. Thomas Wentworth (right) receives the Elizabeth Ann Bartholomew Award from award committee chair and SABS Treasurer Dr. Charles Horn



Dr. Wentworth expresses his appreciation on receiving the award

Friday SABS/BSA Breakfast



Dr. Wentworth is congratulated by (from left to right): Drs. Stephanie Jeffries, Charles Horn, and Lisa Kelly.



Dr. Wentworth is congratulated by his wife Lisa.

Friday ASB Business Meeting Presided by President Zack Murrell



President Murrell



Business Meeting audience

Friday ASB Business Meeting



Treasurer Edgar Lickey presents a report.



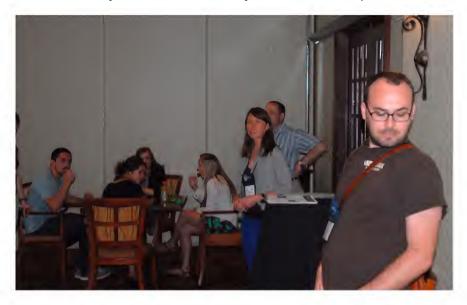
Archivist John Herr presents a report.

Friday SABS/BSA Botany Students Reception





Friday SABS/BSA Botany Students Reception



Friday ASB Poster Session



Dr. Michael Held - Poster 187

Friday Evening President's Pre-Banquet Social



Zack Murrell (left), Edgar Lickey (right), and William Ensign (foreground)



Joey Shaw (left), Zack Murrell (right), and William Ensign (foreground)

Friday Evening President's Pre-Banquet Social



From left to right; Patricia Cox, Judy Awong-Taylor, Nitya Jacobs, Jennifer Davis, and Patricia Parr.



From left to right: Donald Roush, Raymond Flagg, Michael Woods, Kim Marie Tolson, Joe Winstead, Terry Richardson, Sarah Noble, and Patricia Cox.

Friday Evening President's Pre-Banquet Social



From left to right: Emily Gillespie, Sarah Noble, and Patricia Parr.



From left to right: Joe Winstead (see no evil), Andrew Ash (hear no evil), and Michael Baranski (speak no evil).

Friday Evening General Pre-Banquet Social



From left to right: Michael Woods, Susan Farmer, Claudia Jolls, and Howard Neufeld.



From left to right: Patricia Parr, Michael Baranski, and Terry Richardson.

Friday Evening General Pre-Banquet Social



From left to right: Lytton John Musselman, Richard A. (Tony) Matthews, Peter Schafran, and Timothy Hammer.



From left to right: Joe Winstead, Michael Held, and Charles Horn.

Friday Evening General Pre-Banquet Social



Charles R. Watt (left) and Brian Schwenk.



From left to right: Michael Woods, Kim Marie Tolson, and James Caponetti.

RESOLUTION OF APPRECIATION TO

CONVERSE COLLEGE

SPARTANBURG COMMUNITY COLLEGE

SPARTANBURG METHODIST COLLEGE

UNIVERSITY OF SOUTH CAROLINA-UPSTATE

WOFFORD COLLEGE

THE SPARTANBURG MARRIOTT HOTEL STAFF

AND THE ORGANIZERS OF THE 75TH ANNUAL MEETING OF THE
ASSOCIATION OF SOUTHEASTERN BIOLOGISTS

WHEREAS, Converse College, Spartanburg Community College, Spartanburg Methodist College, University Of South Carolina-Upstate, Wofford College, the College Town Consortium and City of Spartanburg did agree to host the Association of Southeastern Biologists during the 75th Annual Meeting on April 2nd through April 5th 2014 and

WHEREAS, Dr. Elizabeth Fleming, President of Converse College and Chair of the College Town Consortium provided partial funding for the 75th ASB meeting and Dr. Nayef Samhat, President of Wofford College provided institutional approval and support and hosted the Plenary Address and Social (including transportation)

WHEREAS, the Annual Meeting Arrangement Committee composed of faculty from Converse College, Neval Erturk; Spartanburg Community College, Berta Hopkins; Spartanburg Methodist College, Jessica Harwood; University of South Carolina—Upstate, Jeannie Chapman and Melissa Pilgrim; Wofford College, Ellen Goldey, ASB Executive Committee Members, Judy Awong-Taylor and Bill Ensign worked with the Program Committee and

WHEREAS, Howie Neufeld from Appalachian State University, Chris Brown and Rickey Fiorillo from Georgia Gwinnett College for assembling the program and submission of Abstracts and Mark Suggs of Appalachian State University for assisting with program formatting; Melissa Pilgrim for planning field trips; Beth Button of USC Upstate Watershed Ecology Center, Patrick McMillan of the SC Botanical Garden, Mike Dorcas of Davidson College, Melissa Pilgrim and Adrian Hayes of USC-Upstate, and Stephen Richter of East Carolina State University for leading the field trips; Chris Fleming of BDY Environmental and Ashley Morris of Middle Tennessee State University for the creation of the program applications available for I-phones and Smartphones: Christi Magrath of Troy University and Lee Sutton of East Carolina University for coordinating the activities of Beta Beta Beta, Brad Cooper and Chris Fleming for assisting with database production; Ashley Morris of Middle Tennessee State University for her excellent work on the ASB web and social media pages, Judy Awong-Taylor and Bill Ensign for organizing the volunteers: Patricia Cox. Kim Tolson, Patricia Parr. Bonnie Kelley. and Eloise Carter for organizing the silent auction; Appalachian State University Convention and Camps Center for on-line and on-site registration; Andy Ash and

Pat Parr for handling commercial exhibits and workshops; Brad Cooper, Nik Hay, Geoff Woodward for assisting the President; and the members of the ASB Executive Committee for all their efforts to make this meeting a success, and

WHEREAS, the affiliate societies TriBeta Southeastern District I, TriBeta Southeastern District II, Southeastern Section of the Botanical Society of America, Southeastern Chapter of the Ecological Society of America, Southeast Chapter of the Society of Herbarium Curators, Southern Appalachian Botanical Society, were in attendance and contributed to paper and poster sessions, workshops, and symposia; our patron members, Associated Microscopes, AST Environmental, BDY Environmental, Breedlove, Dennis and Associates, Carolina Biological Supply Company, Martin Microscopes, Southeastern Naturalist & Eagle Hill Foundation, and Dwayne Wise; and

WHEREAS, the citizenry of Spartanburg, SC cooperated to welcome the Association of Southeastern Biologists to the City of Spartanburg, and

WHEREAS, the students of Converse College, Spartanburg Community College, Spartanburg Methodist College, University Of South Carolina-Upstate, Wofford College helped with the production of the 75th Annual Meeting; therefore, be it

RESOLVED, that the members of the Executive Committee of the Association of Southeastern Biologists give their sincere thanks and appreciation to all involved in making this an excellent and memorable Annual Meeting that resulted from the cumulative efforts of these individuals and organizations.

THE TREASURER'S REPORT

EDGAR LICKEY

31 OCTOBER 2014

ASB is in great financial shape with total assets of \$169,243.54 divided among four accounts as of 31 October 2014. This is including having paid all bills and invoices associated with the Spartanburg meeting. As records become more complete during this continual transition period, I will be able to fill in more details. Reinstatement of ASB's tax exempt status is still actively being pursued. All forms should be completed in the next week.

Calendar year 2013	Beginning 1 January	Ending 31 December	Change
General Fund	\$52,839.00	\$47,921.49	-\$4,917.51
Enrichment Fund	\$39,026.00	\$42,195.00	\$3,169.00

CURRENT BALANCE (as of 31 October 2014)

Wells Fargo Checking	\$128,466.29
PayPal	\$4,650.47
Wells Fargo Savings	\$13,166.67
Wells Fargo CD	\$10,054.48
PNC Checking	\$12,905.63
Total	\$169,243.54

ASB Southeastern Biology Staff, ASB Officers, and Executive Committee Members-at-Large, 2014-2015

Telephone numbers, fax numbers and e-mail addresses can be found on the inside front cover of each issue of the *Southeastern Biology*.

	Southeastern Biology Staff	
Journal Editor	James D. Caponetti, Division of Biology, University of	
	Tennessee, Knoxville, TN	
Associate Editor	Sarah Noble, Department of Natural Sciences,	
	University of Mobile, Mobile, AL	
Web Editor	Ashley B. Morris, Department of Biology, Middle	
	Tennessee State University, Murfreesboro, TN	
Book Review	Christopher G. Brown, School of Science & Technology	
Co-Editors	Georgia Gwinnett College, 1000 University Center Lane,	
	Lawrenceville, GA; *Jennifer Mandel, Dept. of Biological	
	Sciences, University of Memphis, Memphis, TN 38152	
	Colerods, Offiversity of Mempins, Mempins, 114 00 102	
ASB Officers		
President	Zack Murrell, Department of Biology, Appalachian State	
	University, Boone, NC	
President-Elect	Joey Shaw, Department of Biological and Environmental	
	Sciences, University of Tennessee, Chattanooga, TN	
Vice President	Ashley B. Morris, Department of Biology, Middle	
	Tennessee State University, Murfreesboro, TN	
Past President	Donald H. Roush, Department of Biology, University of	
r dot i rooidone	North Alabama, Florence, AL	
Secretary	Sarah Noble, Department of Natural Sciences,	
Coolciary	University of Mobile, Mobile, AL	
Treasurer	Edgar B. Lickey, Department of Biology, Bridgewater	
	College, Bridgewater, VA	
Membership Officer	Sarah Noble, Department of Natural Sciences,	
Membership Officer	University of Mobile, Mobile, AL	
	Offiverally of Mobile, Mobile, AL	

Executive Committee Members-at-Large

Database Manager

Archivist

2015: Judy Awong-Taylor, School of Sciences and Technology, Georgia Gwinnette College, Lawrenceville, GA •William Ensign, Department of Biology and Physics, Kennesaw State University, Kennesaw, GA.

of South Carolina, Columbia, SC

Chris Fleming, BDY Environmental, LLC, Nashville, TN

John Herr, Department of Biological Sciences, University

2016: Edgar B. Lickey, Department of Biology, Bridgewater College, Bridgewater, VA. •Conley K. McMullen, Department of Biology, James Madison University, Harrisonburg, VA.

2017 Riccardo Fiorillo, School of Science and Technology, Georgia Gwinnett College, Lawrenceville, GA. ◆Margaret J. Kovach, Department of Biological and Environmental Sciences, University of Tennessee, Chattanooga, TN. ☑

ASB COMMITTEES 2014-2015

Representatives to Other Societies

AAAS - American Association for the Advancement of Science

Representative: Edgar Lickey, Department of Biology, Bridgewater College, Bridgewater, VA 22812; 540-828-5426; elickey@bridgewater.edu.

AIBS - American Institute of Biological Sciences

Representative: Stephanie Songer, Department of Biology, North Georgia College and State University, Dahlonega, GA 30597; 706-864-1959; or 706-429-5379; Fax 706-867-2703; srsonger@ngcsu.edu.

NSCA - Natural Science Collections Alliance

Representative: Alexander Krings, Department of Plant Biology, NC State University, Box 7612, Raleigh, NC 27695-7612; 919-515-2700; Fax 919-515-3436; alexander krings@ncsu.edu.

ASB Committees

1. Annual Meeting Arrangements Committee 2015 meeting

Zack Murrell <u>murrellze@appstate.edu</u> - Co-chair Appalachian State University, Boone, NC

Joey Shaw mailto:joey-shaw@utc.edu - Co-chair University of Tennessee – Chattanooga, Chattanooga, TN

William Ensign <u>bensign@kennesaw.edu</u> Kennesaw State University, Kennesaw, GA

Judy Awong-Taylor jawongta@ggc.edu
Georgia Gwinnet College, Lawrenceville, GA

Margaret Kovach Margaret-Kovach@utc.edu
University of Tennessee-Chattanooga, Chattanooga, TN

2. Annual Meeting Arrangements Committee 2016 meeting

Zack Murrell <u>murrellze@appstate.edu</u> - Co-chair Appalachian State University, Boone, NC

Joey Shaw joey-shaw@utc.edu - Co-chair President Elect 2015-16

Conley McMullen mcmullck@jmu.edu
James Madison University, Harrisonburg, VA

Ed Lickey <u>elickey@bridgewater.edu</u> Bridgewater College, Bridgewater, VA

Ashley Morris <u>Ashley.Morris@mtsu.edu</u> ASB Vice-President 2014-2015

3. Annual Meeting Arrangements Committee 2017 Meeting

Joey Shaw joey-shaw@utc.edu Chair University of Tennessee – Chattanooga, Chattanooga, TN

Margaret Kovach <u>Margaret-Kovach@utc.edu</u> University of Tennesseee-Chattanooga, Chattanooga, TN

Ricky Fiorillo rfiorill@ggc.edu
Georgia Gwinnett College, Lawrenceville, GA

4. Conservation Committee

Kunsiri Chaw Grubbs <u>grubbsk@winthrop.edu</u> -Chair Winthrop University, Rock Hill, SC

Emily Gillespie <u>gillespiee@marshall.edu</u> Marshall University, Huntington, WVA

Mike Gangloff gangloffmm@appstate.edu Appalachian State University, Boone, NC

5. Education Committee

Kirk Stowe <u>kstowe@beaconcollege.edu</u> – Co-chair Beacon College, Leesburg, FL

Chris Havran <u>havran@campbell.edu</u> - Co-chair Campbell University, Buies Creek, NC

Holly L. Boettger-Tong <u>hboettger-tong@wesleyancollege.edu</u> Wesleyan College, Macon, GA

Stephen C. Richter <u>stephen.richter@eku.edu</u> Eastern Kentucky University, Richmond, KY

John Aliff jaliff@gpc.edu
Georgia Perimeter College, Lawrenceville, GA

Erika Scocco <u>e.scocco@wingate.edu</u> Wingate University, Wingate, NC

7. Finance Committee

Ed Lickey <u>elickey@bridgewater.edu</u> - Chair ASB Treasurer Bridgewater College, Bridgewater, VA

Don Roush dhroush@una.edu ASB Past-President 2014-2015 University of North Alabama

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ASB President-Elect
University of Tennessee – Chattanooga, Chattanooga, TN

Riccardo Fiorillo rfiorill@ggc.edu
ASB EC Member
Georgia Gwinnet College, Lawrenceville, GA

8. Graduate Student Support Awards

Jennifer Borgo jborgo@coker.edu Chair Coker College, Hartsville, SC

Claudia Jolls <u>JOLLSC@ecu.edu</u> East Carolina State University

Beverly Collins <u>collinsb@email.wcu.edu</u>
Western Carolina University, Cullowhee, NC

9. Committee on Human Diversity

Valarie Burnett <u>valarie.burnett@newberry.edu</u> Newberry College, Newberry, SC

NEED TWO COMMITTEE MEMBERS

10. Membership Benefits Committee

Sarah Noble <u>waterfallbotanist@hotmail.com</u> - Chair University of Mobile, Mobile, AL

Donald Roush <u>dhroush@una.edu</u>
University of North Alabama, Florence, AL

NEED TWO COMMITTEE MEMBERS

12. Meritorious Teaching Award Committee

Jennifer Davis jdavis@kennesaw.edu - Chair Kennesaw State University, Kennesaw, GA

Kim Marie Tolson tolson@ulm.edu
University of Louisiana at Monroe, Monroe, LA

Jennell Talley <u>italley@ggc.edu</u> Georgia Gwinnet College, Lawrenceville, GA

13. Nominating Committee

Don Roush <u>dhroush@una.edu</u> - Chair University of North Alabama, Florence, AL

Patricia Parr parrpd@ornl.gov ORNL, Oak Ridge, TN

Ray Williams <u>willmsrs@appstate.edu</u>
Appalachian State University, Boone, NC

14. Poster Award Committee

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Sharryse Henderson shenders@highlands.edu Georgia Highlands College, Cartersville, GA

Rob Hopkins rhopkins@rio.edu
University Rio Grande, Rio Grande, OH

Jennifer Borgo jborgo@coker.edu Coker College, Hartsville, SC

David K. Giles <u>david-giles@utc.edu</u> University of Tennessee-Chattanooga, Chattanooga, TN

15. Program Committee

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Riccardo Fiorillo rfiorill@ggc.edu
Georgia Gwinnett College, Lawrenceville, GA

Christopher Brown <u>cbrown37@ggc.edu</u> Georgia Gwinnett College, Lawrenceville, GA

17. Publications Committee

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Margaret Kovach <u>Margaret-Kovach@utc.edu</u> University of Tennessee, Chattanooga, TN

Judy Awong-Taylor jawongta@ggc.edu
Georgia Gwinnet College, Lawrenceville, GA

Jim Caponetti jcaponet@utk.edu - Ex-Officio, Print Editor University of Tennessee, Knoxville, TN

Ashley B. Morris <u>amorris@mtsu.edu</u> - Ex-Officio, Web Editor Middle Tennessee State University, Murfreesboro, TN

18. Research Awards Committee - Senior

Heather (Dawn) Wilkins hwilkins@utm.edu - Chair University of Tennessee-Martin, Martin, TN

Michael Dorcas <u>midorcas@davidson.edu</u>
Davidson College, Davidson, NC

NEED ONE COMMITTEE MEMBER

19. Research Awards Committee -Student

John Quinn john.quinn@furman.edu - Chair Furman University, Greenville, SC

Shawn Krosnick skrosnick@tntech.edu
Tennessee Tech University, Crossville, TN

Chris Gissendanner gissendanner@ulm.edu University of Louisiana, Monroe, LA

20. Research Awards Committee - Microbiology

Chris Gissendanner <u>gissendanner@ulm.edu</u> - Chair University of Louisiana, Monroe, LA

Allison Wiedemeier <u>awiedemeier@ulm.edu</u> University of Louisiana at Monroe, Monroe, LA

NEED ONE COMMITTEE MEMBER

21. Resolutions Committee

Don Roush <u>dhroush@una.edu</u> - Chair University of North Alabama, Florence, AL

Zack Murrell <u>murrellze@appstate.edu</u>
Appalachian State University, Boone, NC

Kim Marie Tolson tolson@ulm.edu University of Louisiana at Monroe, Monroe, LA

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CALL FOR PAPERS

THE 76" ANNUAL MEETING OF THE ASSOCIATION OF SOUTHEASTERN BIOLOGISTS

Hosted by:
The University of Tennessee at Chattanooga, Chattanooga, TN

ABSTRACTS WILL BE ACCEPTED FROM MONDAY, 8 DECEMBER 2014 UNTIL SUNDAY, 1 February 2015

Abstract Submission

Abstracts should be submitted online via the link on the ASB website (http://www.sebiologists.org/).

Your abstract must be 250 words or less. We recommend that you first create your abstract using a word processor or plain text editor and paste a copy into the appropriate field on the electronic abstract submission program. Alternatively, type the abstract directly into the text box of the abstract submission program, where you can then insert special characters if needed. Specific formatting instructions will be included on the abstract submission website. Authors not following formatting instructions will be asked to correct their abstracts before they are considered accepted.

You may nominate your research for one or more appropriate awards sponsored by our Association and our affiliates. *PLEASE READ THE INSTRUCTIONS AND DESCRIPTIONS OF EACH AWARD CAREFULLY.* Individuals not meeting an award's qualifications or not following an award's nomination process will be disqualified at the discretion of each awards committee.

Preliminary Presentation Instructions

- Oral presentations are allotted 15 minutes (12 for talk, 3 for questions) and slides must be in PowerPoint format on a USB memory drive.
- Posters should fit into a 46" x 46" space and will be displayed for an entire day (Thursday or Friday). Poster presenters should be prepared to stand by their posters for a designated one hour period.

Presenters will be notified of the day and time of their presentation in mid-March and will be scheduled according to topic preferences and date of abstract submission. If you must have a specific time or day for your presentation, please indicate so in the comment section of the abstract submission program.

If you have any questions, please contact the Program Chair, Dr. Howard Neufeld at: neufeldhs@appstate.edu; tel: 828-262-2683. cs

Plenary Speaker

Dr. Kenneth C. Catania

Stevenson Professor of Biological Sciences Vanderbilt University, Nashville, TN

Stars, whiskers, and brains – The neurobiology and behavior of some specialized southeastern predators

Wednesday, April 1, 2015 - 7:30 PM

Location TBA

Ken Catania has built a career around understanding the neurobiology and behavior of unusual organisms. His work has been featured in Science News, National Geographic, the New York Times, ABC News, and BBC News, among other popular outlets. He is both a MacArthur (2006) and Guggenheim (2014) Fellow, as well as having received an NSF CAREER Award (2003). Ken and his colleagues have published more than 80 peer-reviewed articles and five book chapters, as well as continuous funding from external agencies for nearly 20 years. We are delighted to welcome Ken as Plenary Speaker for ASB 2015.



Dr. Kenneth C. Catania

2015 Meeting 543



Please donate to the Silent Auction!!

The silent auction was a huge success the past two years in Charleston and Spartanburg. With YOUR HELP, we raised over \$8,500 for the Student Travel Fund in the past two years. This fund was established in 2006 to help defer travel cost for Graduate Student members presenting papers or posters during the ASB Annual Meeting. Since the fund was created, many students have benefited from these travel grants.

In order to surpass the amount we raised in Charleston and Spartanburg, we need Your Help again this year in Chattanooga, TN, the site of the Annual ASB Meeting, April 1-4, 2015. The donated items can be books, to handcrafts, to memorabilia, to nature photography, to t-shirts or anything else you think appropriate. Some examples of the recent bestselling items are gift baskets, gift cards, nature books, jewelry, wine or any adult beverage and unique gifts.

- If you have an item you would like to donate to the Silent Auction, please contact Patricia Cox at pcox@utk.edu so we can add your item to our list.
- If you are unable to attend, please mail (via US Postal Service) your item to Patricia B. Cox before Friday March 28th at:

Patricia B. Cox 3601 Garden Dr. Knoxville, TN 37918

 If you are attending the meeting, please bring your item to the Silent Auction Area in the Exhibit Hall before 10:00 AM on Thursday, April 2 and one of the committee members will be available to receive it.

We want to thank you in advance for participating in this worthwhile event. If you have any questions, please feel free to contact one of the Committee Members below:

Patricia Cox -- pcox@utk.edu
Kim Marie Tolson -- tolson@ulm.edu
Pat Parr -- parrpd@ornl.gov
Eloise Carter -- ecarter@learnlink.emory.edu
Bonnie Kelley -- bonnie.kelley@uncp.edu
Diane Nelson -- janddnelson@yahoo.com



Silent Auction

Title	e-mail	
Signature	Date	phone
	the convention to pick up do Patricia B. Cox, 3601 Ga 09; pcox@utk.edu.	
Please check appropriate o	ption:	
Description of item(s) to be	donated:	
Microscope Books		
Educational Charts		
Charts Wine Gift Basket		
Books		
Dinner for Two Two Nights Hotel Accommo	odations	
Frog Model		
Dissection Set Corporate Gift Certificates		
Examples of Previous Subr	nitted Items	
(100% of all proceeds to be	enefit student travel).	
Annual Meeting.	C	

Advertisement 545

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Workshop Form

2015 Association of Southeastern Biologists April 1-4, 2015, Chattanooga, Tennessee

Workshop Description: All commercial workshops will be conducted during the meeting on a first-come first-served basis. Classroom style seating will be provided at no additional charge to the presenter. Each classroom will be set for a minimum of 50 participants. A screen will be provided for each room. LCD projectors and laptops will not be provided. One workshop per application please.

Company/Organization
(Please list company name as you wish it to appear on printed materials)
Presenter Email
Address:
Contact Address:
Telephone:Fax:
Web site:
Workshop Title:
50-Word Workshop Description:
(Description will appear in Final Program of Southeastern Biology)
Please indicate which time slot you prefer below:
Pre-Conference Workshop: Wed., 4pm-5:30pm
Thurs., 8:30am-10am Thurs., 10:30am-12noon Thurs., 1:30pm-3pm Thurs., 3:30pm-5pm Fri., 8:30am-10am
Deadline for workshop submission is 31 October 2014
Hold Harmless Clause The workshop presenter assumes all responsibility and liability for losses, damages and claims arising out of injury to the presenter's display, equipment and other property brought upon the premises of the convention facilities and shall indemnify and hold harmless the association agents, servants and employees as well as the ASB organization from any losses, damages and claims.
Upon acceptance by ASB, this signed application and Workshop Contract form becomes the contract for the 2015 ASB Annual Convention. Workshop presenter will be notified of their acceptance by letter no later than 15 Dec 2014.
Signature Date

Return form by **October 15, 2014** to: Zack Murrell, Dept. of Biology, Appalachian State University, Boone, NC 28608; 828-262-2674; murrellze@appstate.edu. 🗷

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Industry Partners Form 2015 Association of Southeastern Biologists April 1-4, 2015, Chattanooga, Tennessee

___Yes I Would Like to Partner with ASB and Participate
In the Industry Partners Program!!
Send no money now, please complete form and return to address shown below

Company/Organ			
Penresentative:	(Please list company name as you wish it to appear on printed materials) Email		
Address:	Lillali		
City.State.Zip:			
Telephone:	Fax:		
*Special Recogn	ition at the Thursday Night Social, Friday Nigh n Center and a listing in Final Program of <i>Sou</i>	nt Awards Banquet, signage	
<u>utj</u>	1011	, into an	
	Wed. Night Cash Bar (4 Opportunities)	\$500/opportunity	
	Coffee Breaks (8 Opportunities)	\$500/opportunity	
	Cyber Café & Marketing Survey	\$750/opportunity	
	Thurs. Night Social (4 Opportunities)	\$900/opportunity	
	Friday Night Banquet Cash Bar	\$850	
	Yes, I wish to present a workshop	See Workshop Form	
	24-Hour Exhibit Hall Security	\$1,000	
	ASB Executive Committee Breakfast	\$350	
	Yes, I would like to Donate an Item to the	See Silent Auction Form	
	Silent Auction to help with Student Travel		
	ASB Web Site Hot Link to		
	Your Company (12 months)	\$375	
	Yes, I would like an AD in all 4	See Advertising Form	
	2015 issues of Southeastern Biology (circle	choice)	
	1/4 page=\$200, 1/2 page=\$325, full page=\$42	5	
	AD in Final On-Site Program (circle choice)	See Advertising Form	
	1/4 page=\$175, 1/2 page=\$225, full page=\$27	5	
Signature		Date	
Title		e-mail	



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AST promotes a culture of integrity, innovation, and efficiency. Ethical business practices and consulting approaches are of utmost importance.

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AST's Aquatic Re-source Team is equipped to perform population studies for aquatic organisms, and water quality assessments in accordance with various state and federally prescribed protocols.

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Journal Advertising 549



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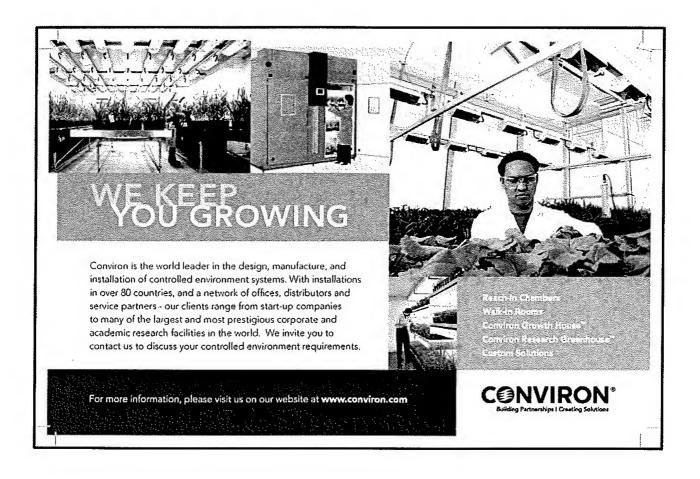
one or both opportunit	On-Site Program for the Annual Meeting. Choose is to increase your marketing exposure. Promote ces throughout the year!
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	½ Page 3" X 2"

Full Page 7½" (↓) X 4 ¾"

Advertising with the Association of Southeastern Biologists (cont.)

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¼ page=\$200, ½ page=\$325, full page=\$425
AD in Final On-Site Program (circle choice) (Black & White Only)
¼ page=\$175, ½ page=\$225, full page=\$275
*All must be submitted in pdf.

Return Form with Check or Credit Card Information to Edgar Lickey, Department of Biology, 402 East College Street, Box 125, Bridgewater College, Bridgewater, VA 2281I, elickey@bridgewater.edu. cs



SPECIAL REMINDERS FROM THE JOURNAL EDITOR

ASB BANQUET ATTENDANCE

Please keep in mind that recipients of ASB awards must be present at the annual ASB banquet to receive the award. Therefore, all applicants for ASB awards must attend the banquet to insure the presence of the winners.

MEMBERSHIP AND REGISTRATION UPDATE

All applicants for ASB research awards must be ASB members in good standing, and be duly registered for the annual meeting. If necessary, check with the Treasurer for verification before you apply.

Please make sure your membership status is up-to-date amply before the deadline for abstract submission and for annual meeting registration. Please be aware that mailing a check or money order for membership renewal to the treasurer and then trying to register online or by mail for the annual meeting on the same day does not work. Moreover, trying to pay for membership renewal online in tandem with registering for the annual meeting online does not work well either.

EXTRA ABSTRACT SUBMISSION

Besides sending abstracts of papers and posters to the Program Committee by January 25, 2015, anyone wishing to be considered for an award must send an abstract to the respective award committee chairperson in order to be considered. An abstract must be sent to the chairperson by January 25, 2015.

Preliminary Presentation Instructions

- Oral presentations are allotted 15 minutes (12 for talk, 3 for questions) and slides must be in PowerPoint format on a USB memory drive.
- Posters should fit into a 46" x 46" space and will be displayed for an entire day (Thursday or Friday). Poster presenters should be prepared to stand by their posters for a designated one hour period.

Presenters will be notified of the day and time of their presentation in mid-March and will be scheduled according to topic preferences and date of abstract submission. If you must have a specific time or day for your presentation, please indicate so in the comment section of the abstract submission program.

If you have any questions, please contact the Program Chair, **Dr. Howard Neufeld at:** neufeldhs@appstate.edu; tel: 828-262-2683. It

Nomination for ASB Officers and Executive Committee Positions

DEADLINE: 31 OCTOBER 2014

To members of the Nominating Committee: I wish to suggest that you consider the following ASB member(s) in selecting nominees for officers and executive committee positions. (<i>Please include the institutional address of each nominee</i> .)
VICE PRESIDENT
TREASURER
ASSOCIATE TREASURER
EXECUTIVE COMMITTEE (two will be elected for three-year terms, and one for a one-year term)
MAIL TO: Dr. Donald H. Roush, Department of Biology, University of North Alabama, Florence, AL 35632; (256) 765-4435; fax (256) 765-4430; dhroush@una.edu.
NAME & ADDRESS OF NOMINATOR





www.science-approach.com

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SUPPORT AWARDS FOR GRADUATE STUDENT MEMBERS OF ASB DEADLINE FOR POSTMARK: 1 February 2015

Limited funds are available to partially defray the expenses of graduate students attending the Annual Meeting. The awards are for lodging and meals only, including the ASB Banquet. Departments are urged to provide transportation for their graduate students. Recipients must be members of ASB. See ASB web site for membership application or renewal forms. The guidelines for application are as follows:

- (a) The recipient is a current member of ASB.
- (b) The recipient must present at the Annual Meeting and must include a separate copy of the abstract of the paper or poster to be presented along with the application
- (c) The recipient must be currently enrolled as a graduate student in the department where he/she conducted this research.
- (d) Student travel awards are granted on a competitive basis. Applications must contain:
 - An itemized budget, including expected costs for lodging and meals, with a list of other sources of financial support for this meeting, including institutional aid and shared lodging.
 - A brief history (a paragraph) of your education to date: indicate how
 many years you have been in graduate school and the expected date of
 completion of work for your degree, your major field of study and
 research, publications, including those in press and in preparation,
 degree sought, name of major professor and any other pertinent details.
 - A copy of the abstract to the paper or poster that will be presented at the Annual Meeting.
 - Your source(s) of support while in graduate school: e.g. NSF, NIH, USDA, Teaching Asst., Research Asst., etc.
 - A letter of recommendation for an ASB support award from your faculty research advisor. This letter should comment on the work being presented and indicate the financial need of the student presenter. It should also indicate whether any departmental or other funding is available to the student.
- (e) Email the application, including the supporting letter, to: Dr. Jennifer S. Borgo, jborgo@coker.edu.
- (f) Applicants will be notified of the decision of the Committee as soon as is practical. Recipients of the award will pick up their checks at the ASB table at the meeting.

GUIDELINES FOR POSTER PRESENTATIONS

Poster sessions have been incorporated as a regular means of scientific presentation at the annual ASB meetings. This type of presentation provides a more informal environment that encourages a direct interchange of ideas and discussion between presenter and audience. Poster presentations are open to all ASB members. Adherence to the following guidelines helps ensure the effectiveness of the poster presentation and consideration for the award.

- (1) Display should fit on a 46" h x 46" w board suitable for thumbtacks, pushpins, or Velcro.
- (2) Poster must be displayed from 10 a.m. Thursday through 5 p.m. Friday. Authors will be required to be present at specified times during the Annual Meeting.
- (3) Poster should be carefully planned to maximize clarity and simplicity in conveying information.
- (4) Poster should have a heading, including a title, author, and author's institution(s). This heading should be placed at the top in letters no less than **3 cm** high.
- (5) The body of the poster, including text, figure legends, and table captions, should be in type no smaller than 18 pt (3-4 mm) and must be legible from a distance of about 1-2 meters.
- (6) The body should be self-explanatory and should include figures, tables, graphs, maps, or photographs displayed in a well organized, coherent, and easy-to-follow sequence from top to bottom. Each illustration should contain a caption. Do not overcrowd the display. Significance will be one of the criteria looked for in judging the posters.
- (7) A limited degree of text may be included, but care should be taken not to overwhelm the audience.
- (8) A large, abbreviated version of the abstract should be presented at the top of the poster, but below the heading. A clear listing of specific conclusions should appear at the bottom or end of the presentation. An abstract must also be submitted to the award committee chair.

Further inquiries may be directed to the **Chair of the ASB Poster Award Committee**: Dr. William Ensign, Kennesaw State University, Kennesaw, GA; bensign@kennesaw.edu.

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RESEARCH AWARDS

SPECIAL NOTICE: Please read carefully the description of requirements for the ASB award for which you apply. All applicants for ASB awards must be ASB members in good standing, and must be duly registered for the annual meeting. If necessary, check with the Treasurer for verification before you apply. Note especially that recipients of ASB awards must be present at the annual ASB banquet to receive the award.

ASB SENIOR RESEARCH AWARD (\$1000)

Given for an especially meritorious manuscript presented orally by the senior author at the annual meeting of ASB (or co-author under exceptional circumstances if the senior author cannot attend). Students are not eligible for this award. The award applicant must be senior author on both the manuscript and oral presentation, and the presenter must be a member of ASB. In order to qualify for this award, sponsored by ASB, the senior author (or a representative) must have presented work orally at any previous annual meeting or have submitted an abstract by the 1 February abstract deadline for an oral presentation at the next annual meeting. The manuscript must either have been submitted for publication or be ready for submission and carry the format of the journal to which it will be (or has been) submitted. Author(s) may submit their papers electronically by emailing them to the committee chair (pdf preferred). Include a short (1 page maximum) biography of the award applicant. If sent by hardcopy, submit three copies of the manuscript and biographical sketch. Manuscripts received by 1 February 2015 will compete for the 2015 Senior Research Award. Manuscripts received after the deadline will be returned to the senior author who can then re-submit the following year. However, such manuscripts cannot have been published prior to the last annual meeting. Judges will use a standard evaluation form that includes the following criteria: significance of ideas, soundness of hypotheses, originality (creativity), quality of methodology, validity of results, soundness of conclusions, clarity, completeness, organization, and contribution to the field. Review papers, if submitted, should contain new information, such as novel syntheses from existing data, or an original contribution that extends our knowledge of the field, rather than just a review of existing literature. At the discretion of the Senior Research Award Committee, the award may be withheld or it may be split in case of a tie. The recipient of the award must be present at the annual ASB banquet to receive the award.

Committee Chair: Dr. Heather Dawn Wilkins, University of Tennessee, Martin, TN; hwilkins@utm.edu.

ASB STUDENT RESEARCH AWARD (\$1000)

Given for an especially meritorious manuscript presented orally by the author(s) at the annual meeting. To be eligible for the Student Research Award (sponsored by ASB **Patron Member Martin Microscope Company**), the recipient must be the senior author on the manuscript, and must be a graduate or undergraduate student at the time of presentation. To qualify for the award, the

author(s) must submit an abstract to the current Student Research Award Committee Chair (posted on the website), due the same date as abstract submission to the program committee for presentations or posters (specified in the official call for papers). Complete applications for the competition must be received by the Student Research Award Committee Chair by February 1 prior to the annual meeting. Complete applications include (1) Three copies of a journal-ready manuscript. Papers may be in press, or published after the previous ASB annual meeting, but not prior; (2) abstract in same format as submitted for the ASB call for papers, including author names, titles, and contact information; (3) biographical sketches of each author. These materials may also (in addition to hardcopy) be sent by email to the committee chair. Judges will evaluate the manuscripts based on significance of ideas, soundness of hypotheses, originality, methodology, validity of results, soundness of conclusions, clarity, completeness, organization, and contribution to the field. At the discretion of the Student Research Award Committee, the award may be withheld or it may be split in the case of a tie. Only members of the ASB are eligible and the recipient of the award must be present at the Annual ASB Awards Banquet to receive the award.

Committee Chair: Dr. John Quinn, Furman University, Greenville, SC; john.quinn@furman.edu.

ASB RESEARCH AWARD IN MICROBIOLOGY (\$500)

Sponsored by ASB, the award is given for an especially meritorious oral presentation of research results by the author(s) at the annual meeting. The purpose of the award is to stimulate greater participation at the Annual Meeting in the broad area of microbiology, principally prokaryotic microbiology. The research may involve cell biology, physiology, molecular biology and/or genetics of these organisms, but must clearly be about the organisms and not the disciplines. The presentation must deal clearly with prokaryotic microbes and should represent substantially completed work. In order to qualify for this award, the senior author must request consideration for the award on the abstract submission form, submit one copy of the title and abstract to the ASB Program Chair by 1 February 2015, and submit a second copy by the same date to the Microbiology Award Committee Chair. Only members of ASB are eligible and the recipient of the award must be present at the Annual ASB Banquet to receive the award (go to http://www.sebiologists.org for membership application or renewal form).

Committee Chair: Dr. Chris Gissendanner, University of Louisiana, Monroe, LA; <u>gissendanner@ulm.edu</u>.

ASB STUDENT POSTER AWARD (\$300)

Given for an especially meritorious poster presentation by the author(s) at the Annual Meeting. The purpose of the award, sponsored by ASB, is to stimulate greater student participation at the Annual Meeting. To qualify for this award, the senior author must be a graduate or undergraduate student at the time of presentation, must be a member of ASB, must submit an abstract

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by the 1 February 2015 deadline, and must be present at the Annual ASB Awards Banquet. Student poster presentations must also adhere to the "Guidelines for Poster Presentations." Only student authors who request consideration for the poster award on the abstract submission form will be judged for the award. In addition to adherence to the "Guidelines for Poster Presentations," student poster presentations will also be judged using the following specific criteria:

- (1) Overall aesthetics and attractiveness of presentation
- (2) Ease of reading from a distance (1-2 meters)
- (3) Clear and concise organization
- (4) Clearly stated hypothesis or study objectives
- (5) Soundness of methods for testing hypotheses or meeting study objectives
- (6) How well conclusions are supported by results

At the discretion of the ASB Poster Award Committee, the award may be withheld or it may be split in the case of a tie. Some posters may also be awarded "Honorable Mention" at the discretion of the ASB Poster Award Committee (Honorable Mention awardees receive no monetary award). Further inquiries may be directed to the chair of the ASB Poster Award Committee.

Committee Chair: Dr. William Ensign, Kennesaw State University, Kennesaw, GA; bensign@kennesaw.edu.

EUGENE P. ODUM AWARD (\$500)

The Eugene P. Odum Award is sponsored by the Southeastern Chapter of ESA. This Award of \$500 is given for the best oral presentation on ecological research given by a student at the Association of Southeastern Biologists [ASB] Annual Meeting. Undergraduate and graduate students are eligible. The research presented should be primarily of the student's design and should represent a culmination of their work. Presentations describing preliminary work or data will not be considered for the Odum Award. Likewise, the abstract must be complete with results and discussion comprising a significant portion of the abstract. Students may not compete for the Award in successive years on the same project, and may not compete simultaneously for the Odum and Quarterman-Keever Awards in the same year.

(1) A student must indicate his or her interest by clicking the Odum Award radio button on the abstract submission website. To be considered, the student must submit the abstract by the deadline announced in the Call for Papers to <u>both</u> the (2) ASB Meeting Program Chair <u>and</u> directly to the (3) Chair of the Odum Award Committee, Dr. Kimberly J. Bolyard, Department of Biology, Bridgewater College, Bridgewater, VA 22812; 540-828-5427; fax 540-828-5661; <u>kbolyard@bridgewater.edu</u>. Send e-mail with the abstract attached. Enter ODUM AWARD (your last name) in the subject line. **Submissions failing to meet these three criteria will not be considered**.

Committee Chair: Dr. Kimberly J. Bolyard, Department of Biology, Bridgewater College, Bridgewater, VA 22812; 540-828-5427; fax 540-828-5661; kbolyard@bridgewater.edu.

ELSIE QUARTERMAN-CATHERINE KEEVER AWARD (\$500)

Given by the Southeastern Chapter of the Ecological Society of America for the best ecological poster presented by a student. This award was presented for the first time in 2005. Undergraduate and graduate students are eligible. The student must be the sole or senior author. The poster must deal with a clearly ecological topic and should represent substantially completed work. It should be presented in a regular contributed poster session. Students may not compete for this award in successive years with the same project. Students may not compete simultaneously for the Elsie Quarterman-Catherine Keever Award and the Odum Award in the same year. One copy of the title and abstract should be sent to the ASB Program Chair by the "Call for Papers" deadline of 1 February 2015 and a second copy must be sent via email by the same date to the Quarterman-Keever Committee Chair.

Committee Chair: Dr. David Vandermast, Department of Biology, Elon University, 2625 Campus Box, Elon, NC 27244; 336-278-6171; dvandermast@elon.edu.

THE NORTH CAROLINA BOTANICAL GARDEN AWARD (\$200)

Given by NCBG (through the Southeastern Section of the Botanical Society of America and the Southern Appalachian Botanical Society). This is awarded for a paper presented at the annual ASB meetings that best advances our understanding of the biology and conservation of the southeastern plants and/or their ecosystems, and thus contributes to the mission of the North Carolina Botanical Garden. Of special interest to the Garden are the rare plant species of the Southeast: why they are rare; how they interact with plants, animals, and their environment; and what can be done to ensure their survival. The paper may deal with a broad area including systematics, ecology and conservation. All individuals who are eligible to present at the ASB meetings are eligible for this award. They may be students, faculty or others.

Committee Chair: Dr. John Randall, Department of Biology, University of North Carolina, Greensboro, NC 27412; 919-962-0522; fax 919-962-3531; jrandall@email.unc.edu.

SOCIETY OF WETLAND SCIENTISTS SOUTH ATLANTIC CHAPTER STUDENT TRAVEL AWARD

The Association of Southeastern Biologists (ASB) Meeting Travel Award (http://www.asb.appstate.edu/) (http://www.sws.org/regional/southatlantic/travelguidelines_ASB.html). The SAC is offering two \$100 travel awards to help support students presenting wetlands research at the Association of Southern Biologists (ASB) annual meeting in Chattanooga, Tennessee, April 1-4, 2015. The Chapter's Awards and Executive Committees will judge the applicants based

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on the scientific quality and importance of their research as described in the abstract. All students presenting research on a wetland topic are eligible; membership in SWS is not required. Students: please submit your abstract as instructed in the ASB call for papers. Further, applicants must also submit their abstract by e-mail to the SWS-SAC Awards Chair, David Bailey, at David.E.Bailey2@usace.army.mil to be considered for SWS-SAC travel award. Award winners will be invited to the Chapter's luncheon meeting (no charge for awardees) held during the ASB annual meeting. The deadline for this travel award is February 1, 2015. Dr. Bailey's address and telephone number — U.S. Army Corps of Engineers, CE-SAW-RG-L, 69 Darlington Ave., Wilmington, NC 28403-1343: 910-251-4469.

BOTANICAL SOCIETY OF AMERICA SOUTHEASTERN SECTION STUDENT AWARDS

Two awards: A \$300 cash prize for the best paper and a \$300 cash prize for the best poster in plant science presented at the annual meeting of ASB. In addition, each winner will receive funds towards travel to the annual BSA meeting as well as one year's membership in BSA. These are awards for papers and posters in botany in its broadest sense including fungi and algae as well as plants.

Who is eligible: Undergraduate and graduate students are eligible. The student must be the sole or senior author of the paper or poster. Students may only apply for one or the other award, but not both.

How to apply: To be included in the competition, applicants should e-mail their abstract to the Botanical Society of America Southeastern Section Student Award committee chair by the abstract deadline of 1 February 2015. The winner will be announced at the ASB Banquet.

Committee Chair: Dr. Emily Gillespie, Department of Biological Sciences, Marshall University, Huntington, WV 25755; 304-696-6467; gillespiee@ marshall.edu.

Southern Appalachian Botanical Society Outstanding Student Paper and Poster Awards

The society offers two awards for students: the SABS Outstanding Student Paper Award, and the SABS Outstanding Student Poster Award. A nominee must be a current undergraduate or graduate student in good standing, and must be a current member of SABS. A student will nominate his/her paper or poster presentation when registering for the annual ASB meeting and submitting the abstract. Each award includes an honorarium of \$150.00, and the winners will be announced at the ASB Friday night banguet.

Earl Core Student Award

The Core Student Award was established by the Society Council to provide financial assistance in support of student research projects in plant taxonomy, systematics and ecology.

Criteria and Procedures

- An applicant for a Core Student Award and his/her research advisor must be members of the Southern Appalachian Botanical Society (SABS).
- Support in the form of a Core Student Award will be presented to an individual student for a given research project only once; applications for additional support for the same project will not be considered.
- The research advisor will attest to the applicant's student status and validity of the research proposal.
- The annual award period will run from May 1 of the award year through April 30 of the next year.
- 5. An individual award may not exceed \$500.
- Award applications for consideration each year must be received by the committee chair no later than February 15 of the award year. Download the application cover sheet on SABS website. Award recipients will be announced in April at the annual meeting of SABS/ASB.
- 7. Awards will be designated on a competitive basis with the applications reviewed and awardee(s) selected by the Core Student Award Committee. Should a member of the committee be the research advisor of an applicant, he/she will be excused as a reviewer for that entire group of applications and replaced by the society president.
- 8. Recipients of a Core Student Award are expected to submit a summary for publication in *Chinquapin* (our newsletter). Though not required, recipients are encouraged to submit the results of their research to *Castanea* for possible publication. In any case, oral presentation(s) and/or publication(s) resulting from financial support should appropriately acknowledge SABS.

Elizabeth Ann Bartholomew Award

PURPOSE

Elizabeth Ann Bartholomew (1912–1985) served as the Secretary of the Southern Appalachian Botanical Club (now Society) from 1946 until 1981. Her life was devoted to plants, and she transferred her interest in plants and nature to students of all ages and walks of life. The Southern Appalachian Botanical Society annually presents the Elizabeth Ann Bartholomew Award in memory of her untiring service to the public, to plant systematics, and to this organization. This award is presented to individuals who have also distinguished themselves in professional and public service that advances our knowledge and appreciation of the world of plants and their scientific, cultural, and aesthetic values, and/or in exceptional service to the Society.

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TO NOMINATE A DESERVING COLLEAGUE FOR THE 2015 BARTHOLOMEW AWARD

Please go to the SABS website [http://www.sabs.appstate.edu/] to download and fill out a copy of the application form and mail it to the chair of the Bartholomew award committee by **February 1**, **2015**. SABS members may nominate more than one person.

Please note: The Elizabeth Ann Bartholomew Award will not be presented posthumously or jointly. Current members of either the Executive Council or the Bartholomew Award Committee are not eligible.

Nominations must include a list of names and addresses (including e-mail) of at least five colleagues whom you believe would support your nomination with an enthusiastic letter or recommendation if contacted by the award committee.

Please send applications to:

Charlie Williams, 6720 Wheeler Dr., Charlotte, NC 28211. Questions may be directed to him at: 704-366-5969, bartholomewaward2015@gmail.com.

For the award requirements of other ASB affiliates, visit their respective web site:

American Society of Ichthyologists and Herpetologists—http://www.asih.org/ Southeastern Microscopy Society—http://www.semicroscopy.org Southern Society of Parasitologists—http://asp.unl.edu

SPECIAL AWARDS

THE ROBERT H. MARTIN PROFESSIONAL EXCELLENCE AWARD

Sponsored by Martin Microscope Company, this ASB award is established to honor the memory of Robert H. Martin, Sr., founder of Martin Microscope Company. ASB members are invited to nominate outstanding ASB scientists, educators, and professionals to receive the Robert H. Martin Professional Excellence Award, established in 2008 and sponsored by **Martin Microscope Company**. In keeping with the example of the award namesake, nominees must be ASB members who have devoted a major portion of their career to energetic, creative commitment and skillful, effective service to biology education, biology research, and/or the biology profession. This award is only presented when the award committee identifies an exceptional, qualified nominee. Recipients are honored at the Awards Banquet during the ASB Annual Meeting and will receive a plaque and a cash award. The amount of the cash award is to be determined by the Robert H. Martin Award Fund Committee. Nominations must include a detailed written description of the candidate's qualifications. Nominations may be submitted at any time.

Please send nominations to: **Dr. Edgar Lickey**, Department of Biology, Bridgewater College, Bridgewater, VA 22812; 502-828-5426; elickey@bridgewater.edu. cs

The John Herr Lifetime Achievement Award

This prestigious award was established by the Association of Southeastern Biologists in 2007 to recognize unusually significant contributions by its members to the life of the Association and to biology in the southeastern US. The award was first presented to its namesake, Distinguished Professor Emeritus John Herr (Department of Biological Sciences, University of South Carolina), by President Kim Marie Tolson in Columbia, South Carolina on April 20, 2007, on the occasion of the 68th Annual Meeting of the Association. This award is to be presented at an Annual Meeting of the Association to no more than one recipient, but there is no requirement that it be given every year.

A nominator wishing to submit a candidate for this award to the Association must prepare a nomination package on behalf of the candidate, following the quidelines below. The package is to be conveyed to the President of the Association by June 15 to be in competition for the award presented at the upcoming Annual Meeting. The President will appoint a committee consisting of three individuals, at least one of whom will be a Past President and the other two officers or former officers of the Association. That committee will consider all active packages and will report a nomination of a single award recipient (if any) to the President of the Association, who will present it to the interim Executive Committee (EC) meeting, held in September or October of each year. Upon a majority vote in favor of the nomination from the EC members present at such a meeting, the President will appoint an individual (typically the most recent Past President) to prepare a plague and citation to be presented by the President to the recipient at the awards banquet during the upcoming Annual Meeting. Other nomination packages may be held over for consideration, for a maximum of two additional years, after which time unsuccessful packages will be returned to their nominators.

A recipient of this award must have contributed in ways that set her or him apart from other members of the Association. In particular, the recipient must have:

- Demonstrated unusual and long-standing devotion to the Association through consistent efforts to improve and advance ASB, going beyond the standard duties of committee members and officers. The recipient must have demonstrated a willingness to serve the organization when asked for additional service.
- Been a member in good standing of the Association for a minimum of ten years.
- 3. Served as an elected or appointed officer of the Association.
- 4. Contributed in a significant way to the Association's purpose of promoting the advancement of biology as a science in the southeastern US, through research, education, solution of biological problems, conservation, public awareness of biological issues, and/or public service.
- 5. Have other accomplishments indicative of unusual dedication and service to the Association.

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ASB Meritorious Teaching Award 2015 Deadline for Nominations February 5, 2015

The Association of Southeastern Biologists Meritorious Teaching Award is one of the highest honors for excellence in teaching at the undergraduate and/or graduate level in biology in the U.S. Southeast. Since 1953, ASB has recognized one of its members for outstanding teaching most years at the ASB Annual Banquet, the closing event of each spring meeting. Carolina Biological Supply Company generously sponsors this \$1500 award. The Meritorious Teaching Award Committee seeks nominations from the ASB membership and selects the winner. The Meritorious Teaching Committee urges the membership to consider qualified candidates at their institutions or at other ASB associated institutions for nomination and to assume the responsibility of coordinating and submitting materials for candidates' nominations. Possible candidates may not nominate themselves.

Criteria for the Meritorious Teaching Award

- 1. The candidate has been an ASB member for at least 10 years.
- The candidate has taught biology for at least ten years in any college or university represented in the association. There is no restriction on the size of the institution, nor must the institution have a graduate program.

Documentation for the Meritorious Teaching Award

The nominator may be a current student, a former student, or a colleague. The nominator should assemble a portfolio which includes:

- A letter of nomination of a candidate with the nominator's personal support of the nomination.
- Several letters supporting the nomination of a candidate from colleagues, administrators, current and former students. The number of letters is not a priority; however, the documentation needs to be abundant and diverse. In other words, the evidence you have provided should convincingly support your nominee.
- 3. Current curriculum vitae.

The purpose of documentation is to show the educational influence this candidate has made by virtue of his or her role as a biology professor. Letters should discuss activities of the candidate such as advising, mentoring, involving students in research, using innovative teaching methods, curriculum and/or course development, participation in study/travel/research programs, sponsoring science related groups such as Beta Beta, innovative service to their institution, ASB, or the community, etc. Documentation by students or former students might include how the candidate influenced their development and contributed to their own achievements.

The nominator should send assembled materials electronically to Dr. Jennifer Davis, Chair Meritorious Teaching Committee, at jdavi361@kennesaw.edu. In the electronic mailing the nominator needs to send a cover letter noting the number and type of items in the attached portfolio, the name and contact information of the candidate and the nominator's contact information. The Chair of the Committee will acknowledge receipt of the materials. In addition to the electronic materials, the committee requires a signed hard copy of the letter of nomination and all supporting letters. The assembled hard copies should be sent to Dr. Jennifer Davis, Kennesaw State University, Department of Biology and Physics, Science Building, 370 Paulding Ave. #1202, Kennesaw, GA 30144. The hard copies will be a part of a file of materials presented to the winning candidate. These letters are usually the most meaningful part of the award to the winning candidate.

The deadline for submission of materials is February 5, 2015. The nominator is also responsible for making sure the candidate attends the ASB banquet. If you have any questions, please contact me at jdavi361@kennesaw.edu and/or Kim Marie Tolson at tolson@ulm.edu. Files received for any candidate will remain active for at least two additional years and may be updated. The award for 2013-2014 was not given due to a lack of nominations. Please take the initiative and nominate qualified candidates for this prestigious award. It really means a great deal to those who receive the award.

Dr. Jennifer Davis, Chair ASB Meritorious Teaching Award Committee

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ASB maintains an enrichment fund to sponsor long- and short-range objectives to advance biological education through teaching and research. The Enrichment Fund Board is chaired by Michael Dennis. As has been the custom for the past several meetings, ASB recognizes individuals for their achievements and dedication to biology education at the secondary school level. The awardee is invited to attend the annual meeting and be honored. The use of money from this fund shows appreciation for excellence in teaching at the secondary level, and to reach out to our colleagues in the teaching profession. Contributions to the fund can be made at the annual meeting or can be sent to the Treasurer of ASB whose address can be found in the inside front cover of this issue.

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Education Committee Report

During the 75th annual meeting of the Association of Southeastern Biologists (ASB) in Spartanburg, South Carolina, the Education Committee sponsored a symposium entitled: "Educational Opportunities at Biological Field Stations in the Southeastern United States". Talks were provided by Stephen Richter (Eastern Kentucky University), Karen Kandl (Highlands Biological Station), Theron Terhune (Tall Timbers Research Station), Michelle Edwards (The University of Mississippi Field Station and Center for Water and Wetlands Resources), Hilary Swain (Archbold Biological Station), Matthew Kimball (Baruch Marine Field Laboratory), and Tom Blanchard (Reelfoot Lake Environmental Field Station). Speakers provided information about the history of their respective field station and how each meets the educational needs of students and educators in different ecosystems of the Southeastern United States. The symposium was partially funded by the ASB Executive Committee and a gracious donation by an anonymous donor.

The symposium was followed by a short discussion and luncheon between speakers and ASB meeting attendees. The luncheon facilitated a broad discussion into critical issues that face field stations. Some of the important issues discussed involved how to promote undergraduate awareness of educational and research opportunities at field stations, methods to assess K-12 outcomes of field station participation, increasing diversity among field station student participants, and how to obtain funding to develop and sustain field stations. As an immediate result of the symposium, Education Committee member and symposium speaker Stephen Richter organized a Listserv to facilitate better communication among field stations of the Southeastern United States.

During the upcoming meeting of the ASB in Chattanooga, Tennessee, the Education Committee will hold a lunch meeting for committee members. The goal of the luncheon will be to plan future Education Committee goals and discuss the future leadership of the committee.

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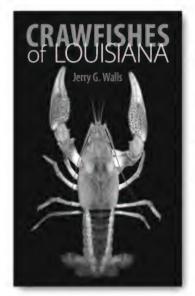
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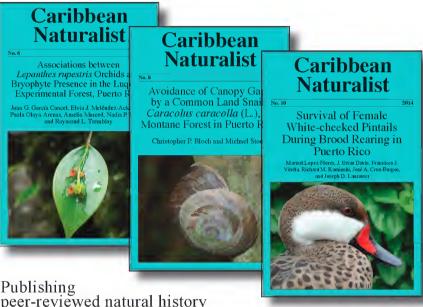
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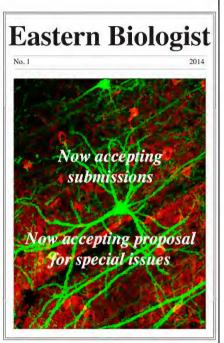
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OBITUARY

IN MEMORIAM LANDON E. MCKINNEY (1949—2014)



Former KNPS President Landon McKinney and wife Lela.

Landon E. McKinney, a talented field botanist and naturalist, passed away on Thursday, June 5th, 2014, at the Wade Park Veteran's Medical Center in Cleveland. He was 65 years old. Landon Earl McKinney was born May 17, 1949 in Nashville, Tennessee, to the late Lawrence Vern and Constance Joy McKinney. After graduating from Donelson High School in Nashville in 1967, Landon joined the Navy and served as a Marine Navy Corpsman from 1968–1970. He was a field combat corpsman in Vietnam during 1969. He earned a B.S. in Biology in 1973 from Middle Tennessee State University and subsequently his M.S. in Botany in 1977 from Middle Tennessee State University (MTSU). He was a Post-Graduate Research Associate in Plant Taxonomy at Vanderbilt University, working with Dr. Robert Kral, from 1985–1989. Landon began his life-long fascination with the stemless blue violets under the direction of Dr. Kurt Blum at MTSU. His master's thesis was "Preliminary Studies of the Acaulescent Blue Violets (Viola) with Special Reference to Middle Tennessee."

Landon had a varied career that included working for a pharmaceutical company and operating his own printing business. Nevertheless, after his family, his true passion was botany which he focused upon all his life. His botanical career including working in various capacities for several state heritage programs, including the Kentucky State Nature Preserves Commission from 1990–1996. Landon often worked part time or full time as an environmental consultant, and in recent years he worked full time for several different companies in Kentucky, Ohio, Tennessee, and throughout the eastern U.S. He conducted hundreds of

Obituary 577

status surveys for rare plant species over the years, including many federally endangered species. Landon was also an expert on habitat analysis and invasive species issues, and his work often involved the assessment of wetland communities and species, and making management recommendations on preserving natural habits and controlling invasive species.

Landon was heavily involved in the Kentucky Native Plant Society (KNPS) for many years; he regularly attended the annual meetings and frequently led field trips. Landon served as the KNPS President from 1992-1996 and from 2002-2006. Landon stepped up during these periods when **KNPS** needed a strong leader, and helped the KNPS to become one of the most



successful native plant societies in the region. He also served a term as the Director of the KNPS Certification Program in Native Plant Studies, and taught a number of courses in the program, including Plant Ecology, Woody Plants, Sedges, and Wetland Plants, at both Eastern Kentucky University and Northern Kentucky University. He taught a spring quarter course on "Native Plants of the Tri-state" as an adjunct instructor with the University of Cincinnati during 2006–2009.

Landon was an avid plant collector throughout his career. He collected thousands of specimens during all his various botanical activities and deposited them at regional herbaria. At the EKU Herbarium alone there are over 1,000 specimens on deposit collected by Landon. These specimens serve as an important permanent legacy of Landon's botanical career. Landon eagerly collected difficult grasses, rushes, and sedges, and he possessed a special skill in identifying these problematic species. He was especially skillful in the genus *Carex*, a group of over 140 taxa in Kentucky alone, and he wrote the *Carex* keys for the 2005 book, *Plant Life of Kentucky*.

Landon's primary passion throughout his career was the genus *Viola*, in particular the stemless blue violets, and he was nationally known for his expertise in this genus. The seminal publication of his career occurred in 1992 with a book on the stemless blue violets—*A Taxonomic Revision of the Acaulescent Blue Violets (Viola) of North America*, published by the Botanical Research Institute of Texas. This work is very highly regarded and had a great influence on subsequent studies of this group of violets, with other experts often citing Landon's work and comparing it to their interpretations. Landon also wrote the *Viola* treatment for *Plant Life of Kentucky*. Altogether Landon authored or coauthored approximately 50 scientific publications and professional presentations,

mainly on *Viola*, but on a variety of other topics as well. He was a frequent presenter at the Annual Meetings of the Association of Southeastern Biologists, Kentucky Academy of Science, and Tennessee Academy of Science.



Landon continued his work and interest in *Viola* until the very end. In an email sent December 4, 2013, Landon noted that he had just about finished his work on the Violaceae (with R. John Little) for the Flora of North America project, and was working on a paper to be submitted to the journal *Castanea*. He was also developing a treatment of violets for West Virginia. On this past April 18, he sent an email to local botanists concerning the recent discovery of a new county record for *Viola egglestonii*, and noted that ... "after 40+ years of working with them [violets], they still excite me and after looking at them, this population is as classical cedar glade violet as you can get."

Landon is survived by his devoted wife of 31 years, Lela McKinney; children Adam McKinney, Amanda (Troy) Chitwood and Eric (Amy) McKinney; grandchildren Landon, Lucas, Erica, Katelyn and Whitney. Landon will be sadly missed by his many extended family members, special friends, and botanical colleagues.

—Ronald L. Jones, Eastern Kentucky University Herbarium, Richmond, Kentucky 40475, and Ralph L. Thompson, Berea College Herbarium, Berea, Kentucky 40404.

Reprinted from the Summer 2014 issue of The Lady-Slipper, Number 29:2, pp 4-5, with the permission of Zeb Weese, President and Newsletter Editor of the Kentucky Native Plant Society, and of one of the obituary writers, Ronald Jones.

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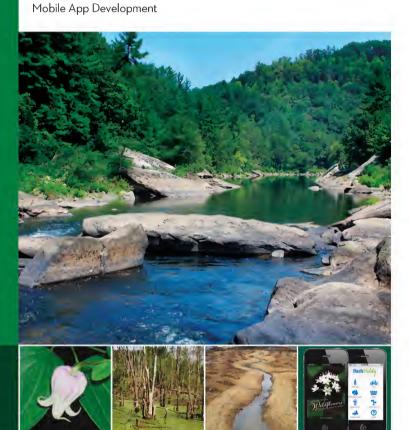
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